

## ABSTRACT

5 A system provides multiple Internet connection by  
employing a filter, which selectively filters a transmission  
frequency band, on the data upstream in a cable network  
system. The system includes subscribers, cable modems,  
filters, a HFC line, CMTSS and multiple ISP host servers.  
Each subscriber uses a specific frequency band in data  
upstream using the filters. Therefore, each subscriber can  
10 be easily connected to a corresponding ISP server.